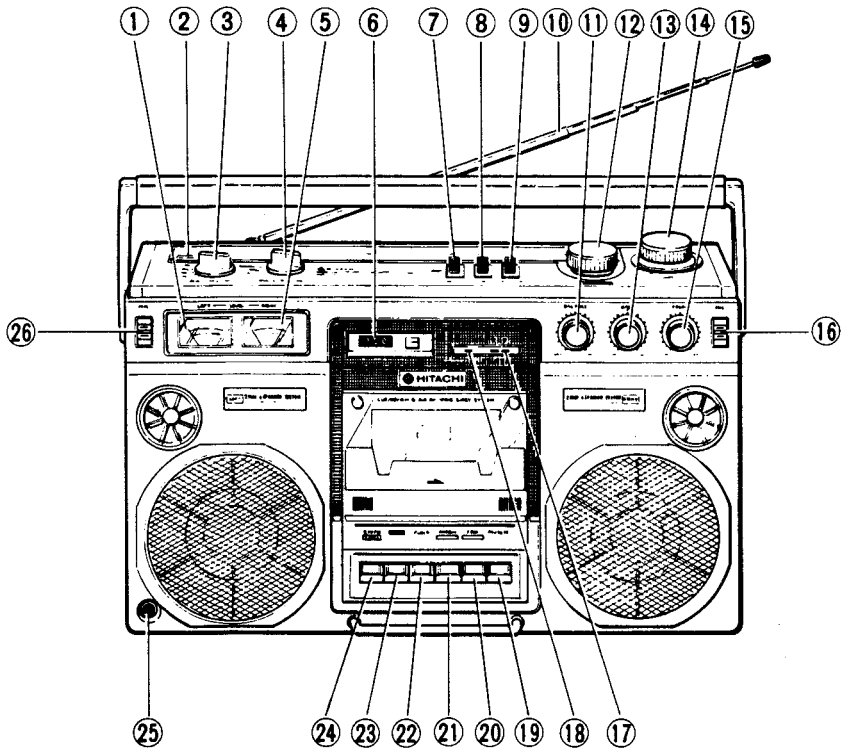
HITACHI

TRK-8155E, E(BS), EW

SERVICE MANUAL

No. 1191



KEY TO ILLUSTRATIONS

① LEVEL(L)/BATTERY METER
② FM STEREO INDICATOR
③ BAND SELECTOR
④ FUNCTION SELECTOR
⑤ LEVEL(R)/TUNING METER
⑥ TAPE COUNTER
⑦ MODE SWITCH
⑧ TAPE SELECTOR SWITCH(CrO_2-NORMAL)
⑨ AFC SWITCH
⑩ TELESCOPIC ANTENNA(AERIAL)
⑪ BALANCE CONTROL
⑫ TUNING CONTROL
⑬ BASS CONTROL
⑭ VOLUME CONTROL
⑮ TREBLE CONTROL
⑯ BUILT-IN MICROPHONE(RIGHT)
⑰ TAPE RUN INDICATOR
⑱ OPERATION INDICATOR
⑲ PAUSE BUTTON
⑳ FAST FORWARD/CUE BUTTON
㉑ REWIND/REVIEW BUTTON
㉒ PLAYBACK BUTTON
㉓ RECORD BUTTON
㉔ STOP/EJECT BUTTON
㉕ HEADPHONE SOCKET
㉖ BUILT-IN MICROPHONE(LEFT)

SPECIFICATIONS

GENERAL SECTION

Semi-conductors :	IC's : 8 Transistors : 15 Diodes : 25 Vari-cap : 1 LED : 4
Power (Mains) Supply :	240V AC, 50 Hz [For E(BS)] 220V AC, 50 Hz [For E] AC 100V to 110V, 115V to 127V 200V to 220V, 230V to 250V 50/60 Hz [For EW] DC : 9V (IEC R20×6 or equivalent)
Power (Mains) Consumption :	15W
Dimensions :	276(H)×455(W)×167(D)mm
Weight :	6.0kg (with batteries)
Power output :	2.5W/CH (T.H.D. 10%)
Speaker :	120mm 3.2 ohms×2 50mm 8 ohms×2

TUNER SECTION

Circuit System :	FM/SW/MW/LW 4-band superheterodyne
Tuning Range :	FM : 87.5 to 108 MHz SW : 6.0 to 18 MHz MW : 530 to 1605 kHz LW : 150 to 350 kHz
Sensitivity :	FM : 12 dB(pra.) 6 dB(max.) SW : 26 dB(pra.) 18 dB(max.) MW : 50 dB(pra.) 38 dB(max.) LW : 58 dB(pra.) 42 dB(max.)
Intermediate Frequency :	FM : 10.7 MHz SW/MW/LW : 465 kHz
Antennas (Aerials) :	FM/SW : Telescopic antenna (aerial) MW/LW : Built-in ferrite-core antenna (aerial)

TAPE RECORDER

Tape :	Cassette tape (C-30, 60, 90)
Tape Speed :	4.75cm/s
Recording System and Bias Frequency :	AC bias, 29 kHz
Erasing System :	Quasi-AC erase
Track System :	4 track 2 channel
Frequency Response :	Normal : 50 Hz to 10 kHz CrO_2 : 50 Hz to 12 kHz
S/N (Signal to Noise Ratio) :	45 dB
Wow and Flutter :	0.1% (WRMS)
Cross Talk :	40 dB
Erase Ratio :	60 dB
Input Sensitivity and Impedance :	Microphone : 2mV, 600 ohms Record/Playback : 30mV, 22K ohms
Output Level and Impedance :	Record/Playback : 0.7V, 10K ohms
Distortion :	2%
Fast Forward or Rewinding Time :	120 sec. (Using C-60)
Motor :	DC motor

CASSETTE TAPE RECORDER WITH FM/SW/MW/LW RADIO

May 1979

SAFETY PRECAUTION

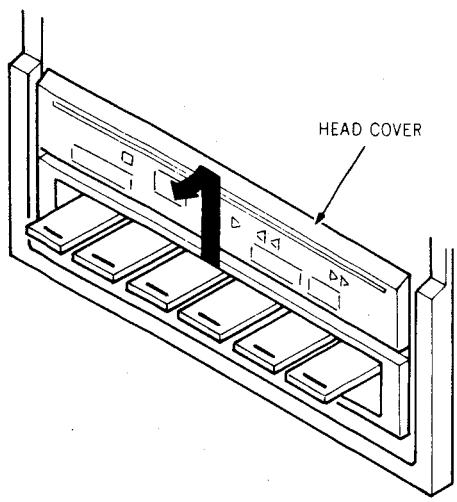
The following precautions should be observed when servicing.

1. Since many parts in the unit have special safety related characteristics, always use genuine Hitachi's replacement parts. Especially critical parts in the power circuit block should not be replaced with other makers.
   Critical parts are marked with ⚠ in the schematic diagram and circuit board diagram.
2. Before returning a repaired unit to the customer, the service technician must thoroughly test the unit to ascertain that it is completely safe to operate without danger of electrical shock.

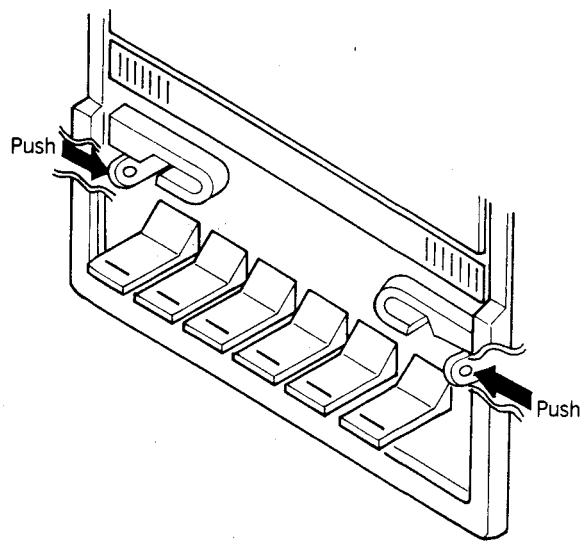
DISASSEMBLY

1. Removal of cassette lid

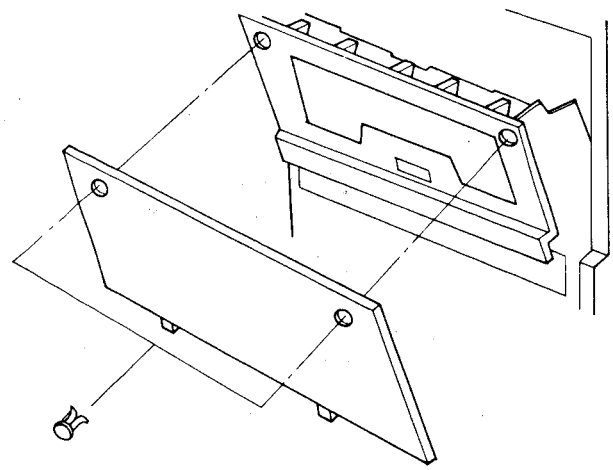
1—1.



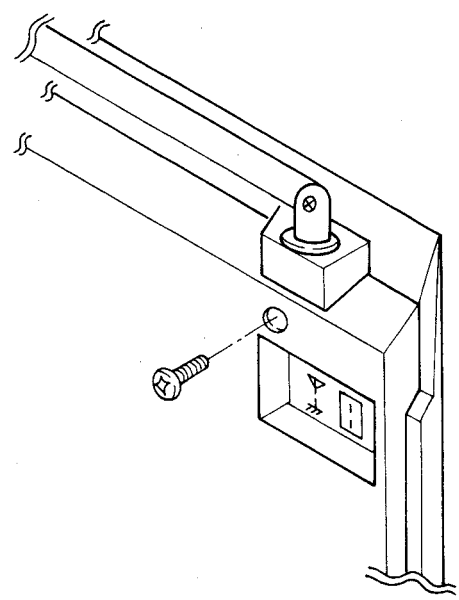
1—2.



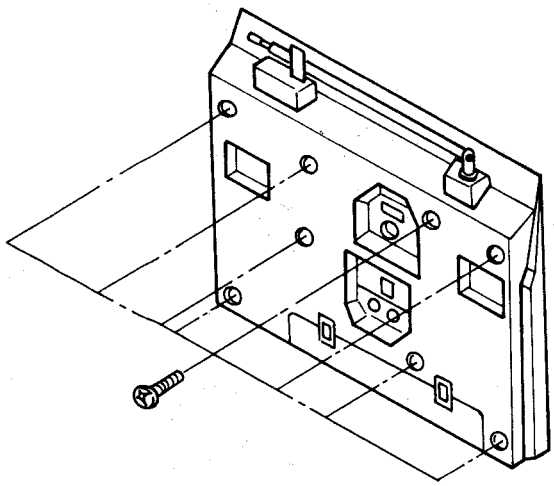
1—3.



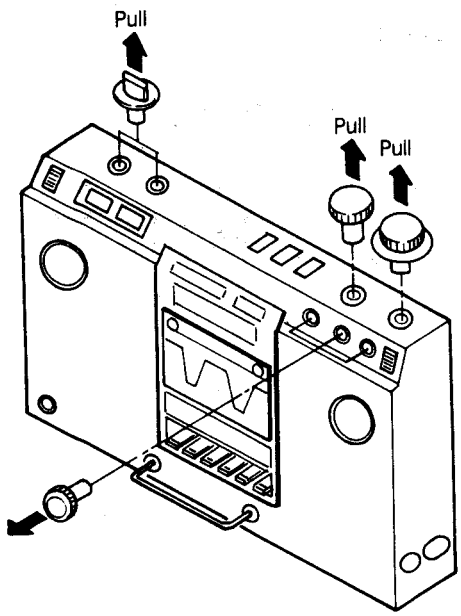
2. Removal of telescopic antenna



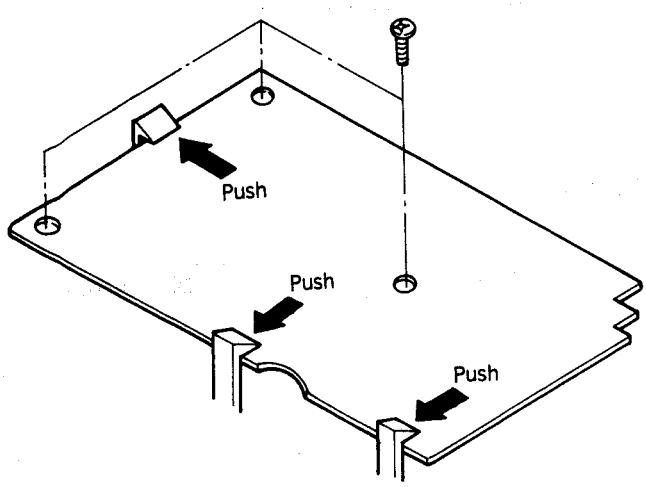
3. Removal of rear case



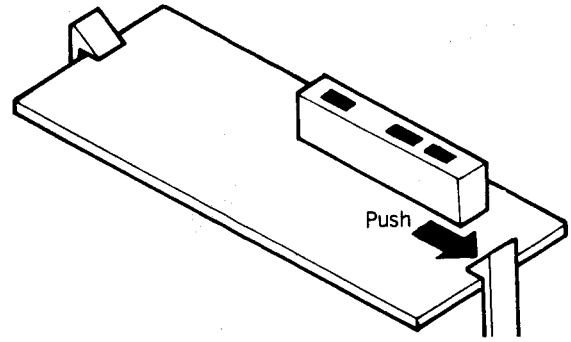
4. Removal of radio chassis



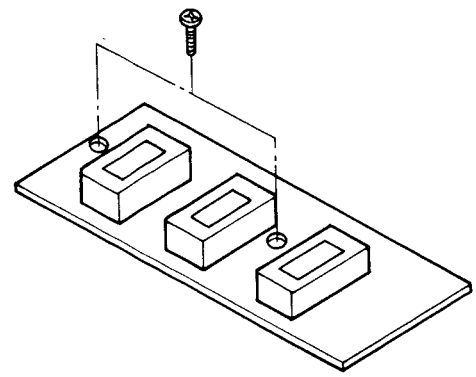
5. Removal of main P.C. board



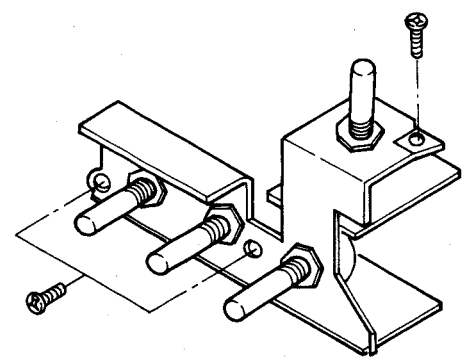
6. Removal of TR P.C. board



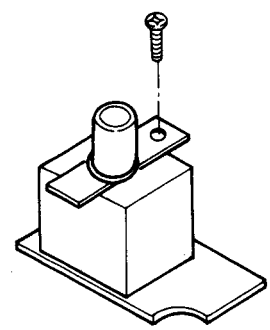
7. Removal of switch P.C. board



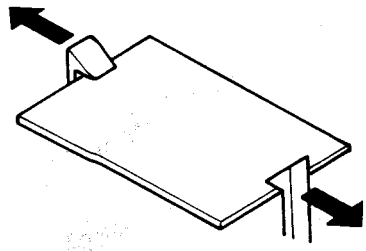
8. Removal of control P.C. board



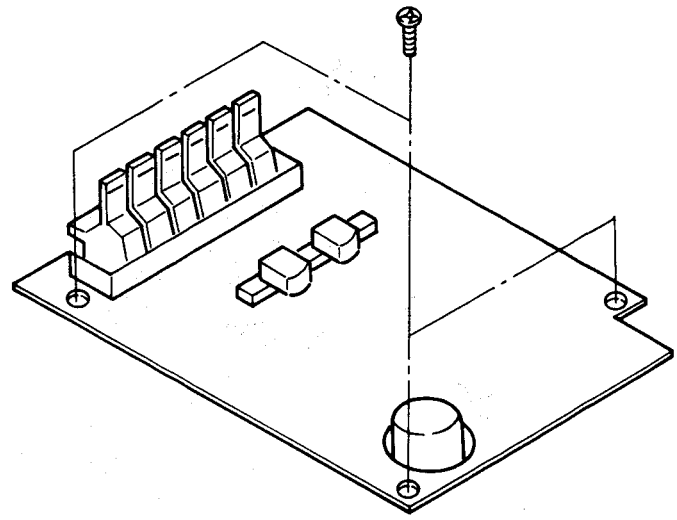
9. Removal of headphone P.C. board



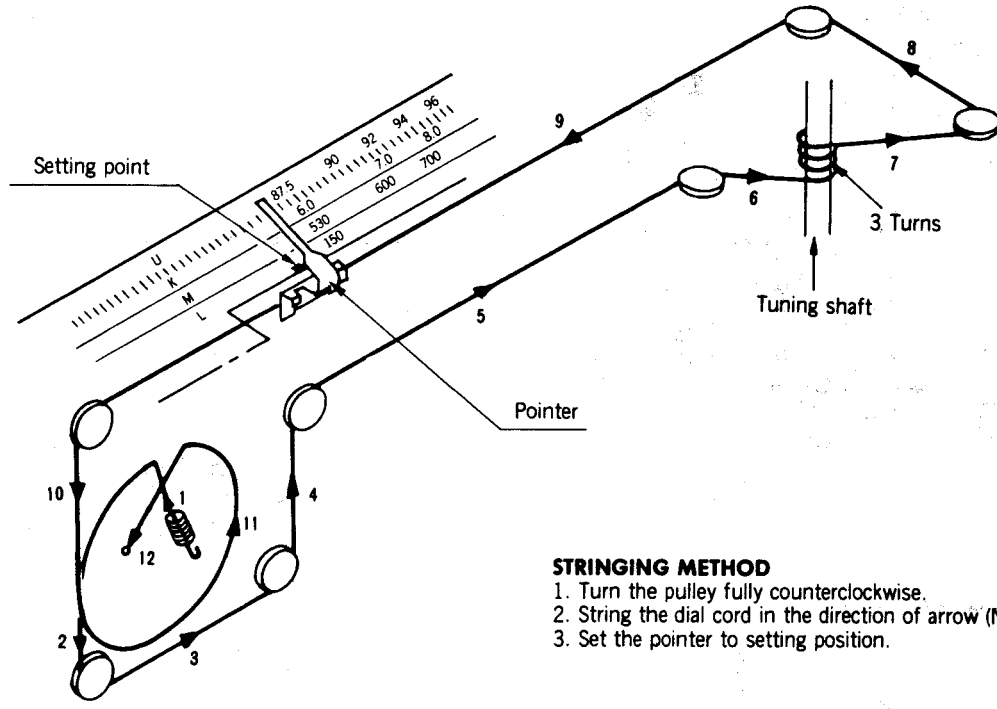
10. Removal of LED P.C. board



11. Removal of tape deck chassis



DIAL CORD STRINGING



STRINGING METHOD

1. Turn the pulley fully counterclockwise.
2. String the dial cord in the direction of arrow (No. (1)–(12)).
3. Set the pointer to setting position.

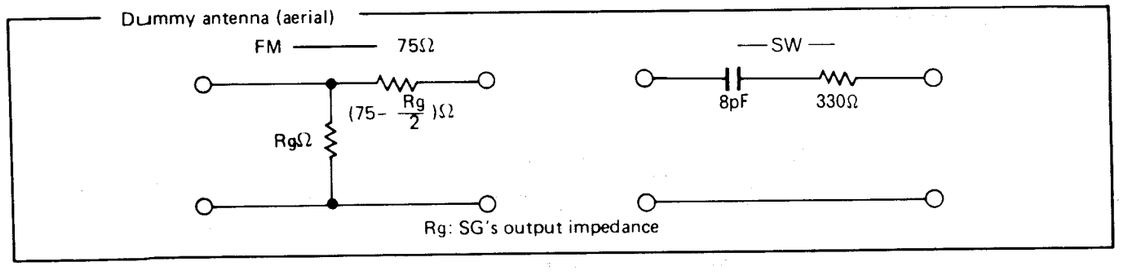
LUBRICATION

Lubricate one or two drops of machine oil to rotating point or lubricate grease to sliding point. Lubricate the respective parts listed below once every 1000 hours or once a year under normal conditions of use. Avoid oiling them excessively, or rotation may become irregular because of oil splashes.

Lubrication	Oil or grease
Motor shaft bearing	Oil
Capstan shaft bearing	
Pressure roller bearing	

ADJUSTMENT

TUNER SECTION

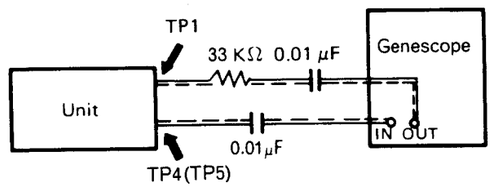


1. FM IF adjustment

Setting :

- Function selector : Radio
- Band selector : FM

Connection :



Adjustment :

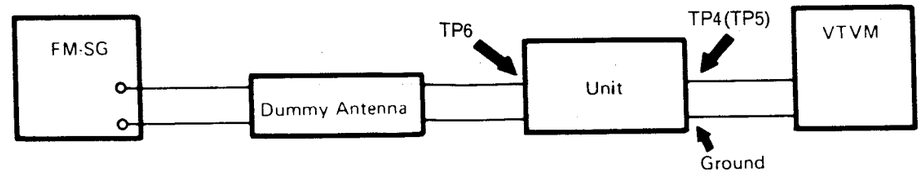
Genescope	Dial pointer position	Adjust	Reading	Remarks
10.7 MHz	Highest	T202	—	Turn T202 fully counterclockwise.
		T101 T201	Maximum fc	1) fc : Specified center frequency of the ceramic filter. 2) Reduce the level of the genescope to make one waveform.
		T202		Adjust T202 for a symmetrical sinewave (S curve) output.

2. FM RF (Covering & Tracking) adjustment

Setting :

- Function selector : Radio
- Band selector : FM

Connection:



Adjustment :

Item		Signal generator		Dial pointer position	Adjust	Reading	Remarks
		Frequency	Modulation				
1	Covering	87 MHz 87.5 MHz*	400 Hz 30%	Lowest	L103	Max.	—
2		109 MHz 108 MHz*		Highest	CT102		
3	Repeat 1 and 2.						
4	Tracking	90 MHz	400 Hz 30%	90 MHz	L101	Max.	
5		106 MHz		106 MHz	CT101		
6	Repeat 4 and 5.						

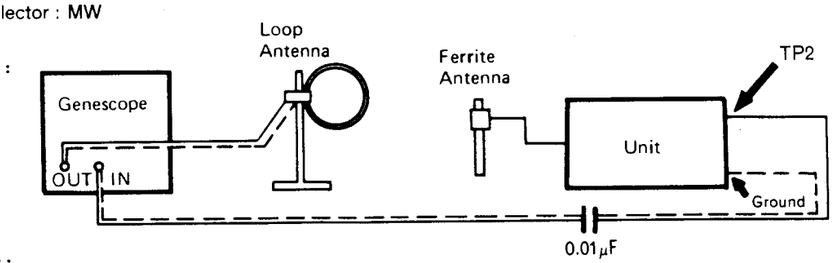
* For West Germany

3. AM IF adjustment

Setting :

- Function selector : Radio
- Band selector : MW

Connection :



Adjustment :

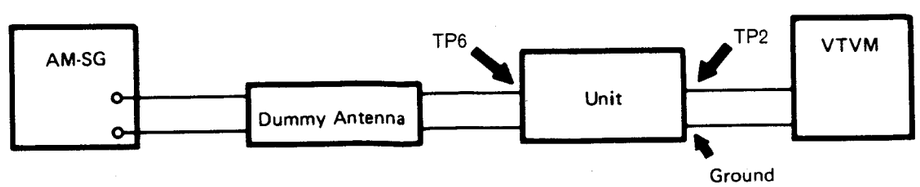
Genescope		Dial pointer position	Adjust	Reading	Remarks
Frequency	Modulation				
465 kHz	–	Highest	T151, T152 T204	Max.	–

4. SW RF (Covering & Tracking) adjustment

Setting :

- Function selector : Radio
- Band selector : SW

Connection :



Adjustment :

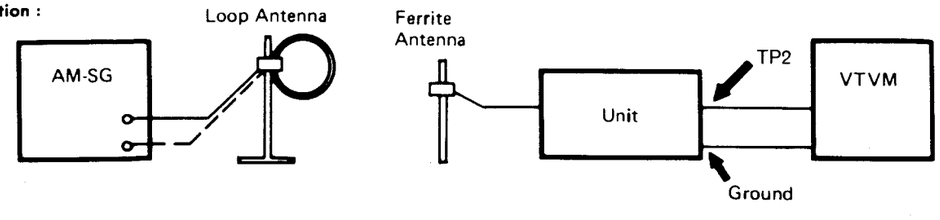
	Item	Signal generator		Dial pointer position	Adjust	Reading	Remarks
		Frequency	Modulation				
1	Covering	5.8 MHz	400 Hz 30%	Lowest	L154	Max.	——
2		18.5 MHz		Highest	CT154		
3	Repeat 1 and 2.						
4	Tracking	6.5 MHz	400 Hz 30%	6.5 MHz	L151	Max.	
5		16 MHz		16 MHz	CT151		
6	Repeat 4 and 5.						

5. MW/LW RF (Covering & Tracking) adjustment

Setting :

- Function selector : Radio
- Band selector : MW or LW

Connection :



Adjustment :

1) MW

	Item	Signal generator		Dial pointer position	Adjust	Reading	Remarks
		Frequency	Modulation				
1	Covering	515 kHz	400 Hz 30%	Lowest	L155	Max.	——
2		1650 kHz		Highest	CT155		
3	Repeat 1 and 2.						
4	Tracking	600 kHz	400 Hz 30%	600 kHz	L152	Max.	
5		1400 kHz		1400 kHz	CT152		
6	Repeat 4 and 5.						

2) LW

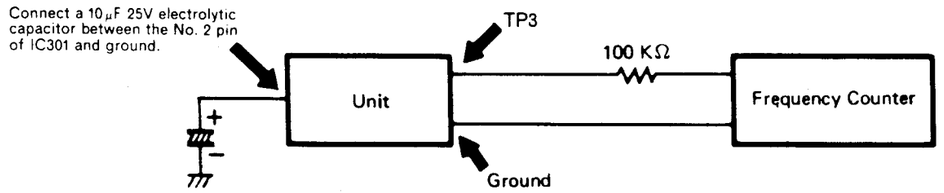
	Item	Signal generator		Dial pointer position	Adjust	Reading	Remarks
		Frequency	Modulation				
1	Covering	145 kHz	400 Hz 30%	Lowest	L156	Max.	——
2		360 kHz		Highest	CT156		
3	Repeat 1 and 2.						
4	Tracking	160 kHz	400 Hz 30%	160 kHz	L153	Max.	
5		330 kHz		330 kHz	CT153		
6	Repeat 4 and 5.						

6. FM MPX (Multiplex) adjustment

Setting :

- Function selector : Radio
- Band selector : FM
- Mono/stereo switch : stereo

Connection :



Adjustment :

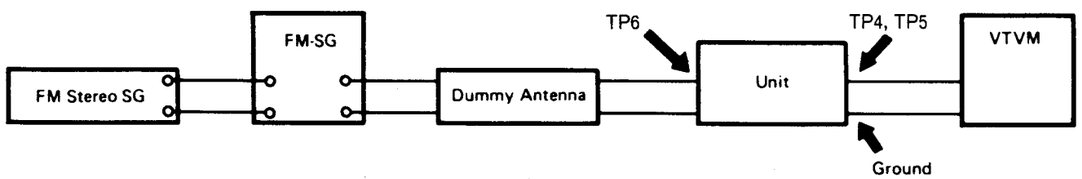
Adjust	Reading	Remarks
RT302	19 kHz± 0.1 kHz	–

7. FM separation adjustment

Setting :

- Function selector : Radio
- Band selector : FM
- Mono/stereo switch : Stereo

Connection :



Adjustment :

Signal generator		Dial pointer position	Adjust	Reading	Remarks
Frequency	Modulation				
98 MHz 60 dB	L + R(1 kHz) : 40 kHz dev. Pilot(19 kHz) : 6 kHz dev.	98 MHz	RT301	Min.	1) After feeding in of R channel and pilot signals, adjust RT301 for a minimum L channel output. 2) Optimize RT301 so that the leak level of the L channel signal is equal to that of the R channel signal.

8. FM tuning meter adjustment

In FM reception, adjust T203 for maximum deflection of the tuning meter

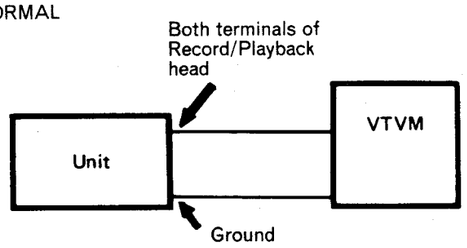
TRK-8155E, E(BS), EW

TAPE DECK S ECTION

1. Bias current adjustment

Setting : Recording mode
TAPE SELECTOR : NORMAL

Connection :

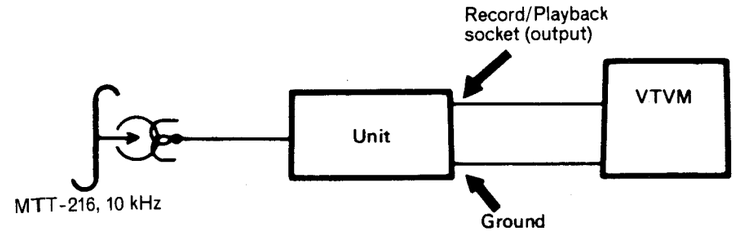


Adjustment : Set the record mode. Adjust RT401 so that the bias voltage of 8V is applied to the both terminals of Record/Playback head.

2. Head azimuth adjustment

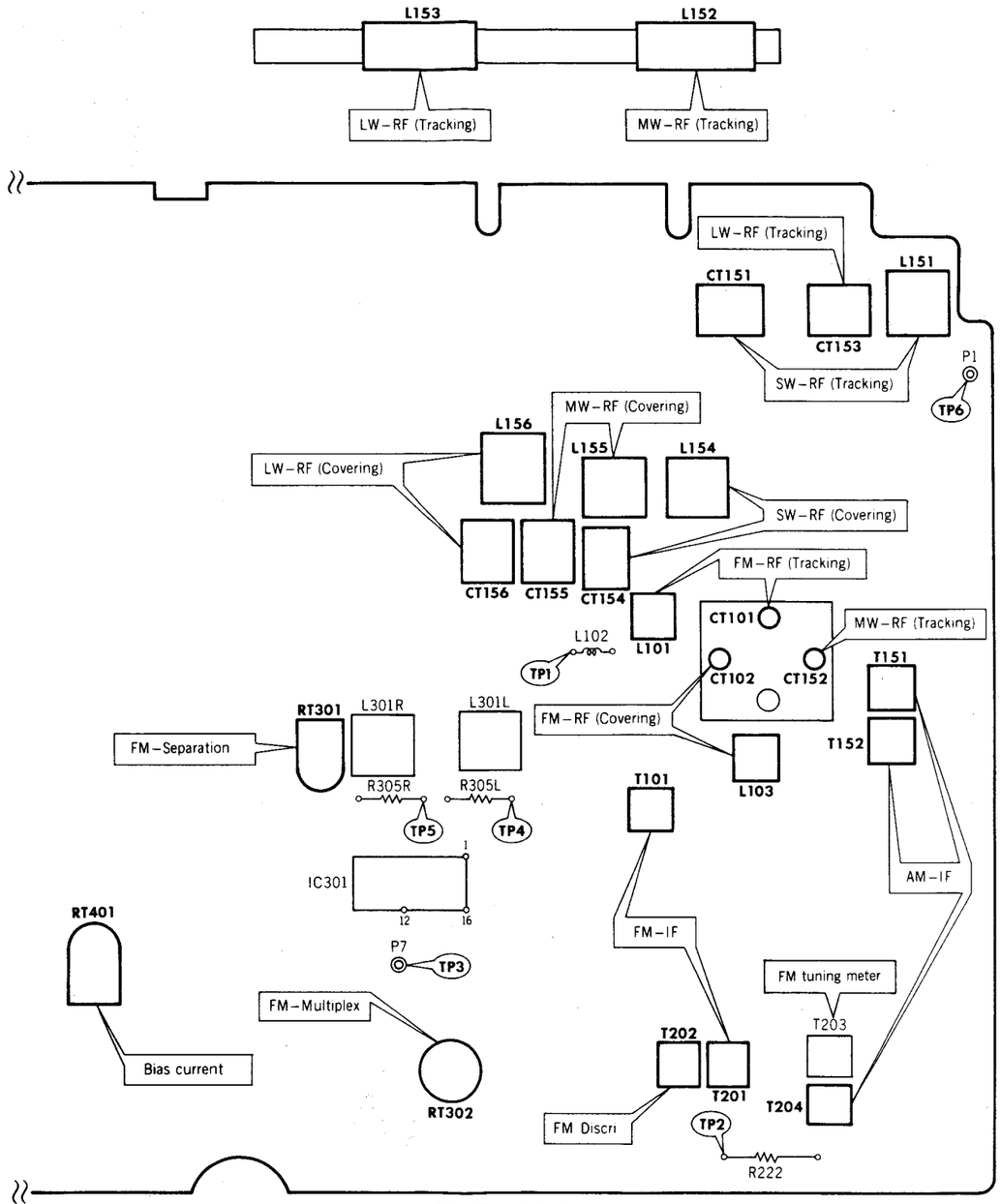
Setting : Playback mode

Connection :



Adjustment : Playback a test tape (MTT-216, 10kHz) and adjust the azimuth adjustment screw for maximum output.

Adjustment Parts Location

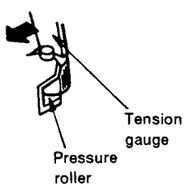


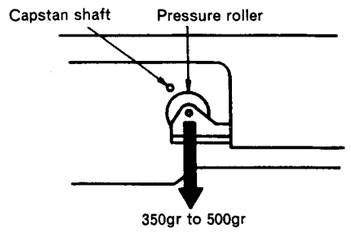
MAIN P.C.B.

INSPECTION OF MECHANISM

Pressure of pressure roller

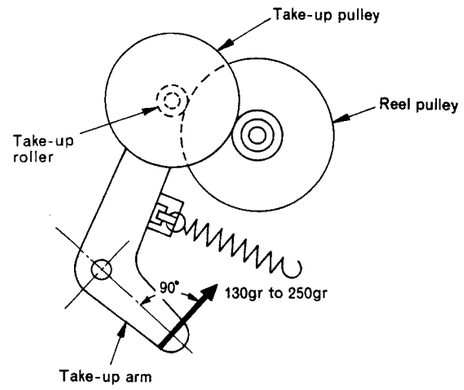
Measure the pressure at the moment when the pressure roller moves away from the capstan shaft with a tension gauge, in the playback mode. It should be within 350gr to 500gr.





Pressure of take-up roller

Measure the pressure at the moment when the take-up pulley moves away from the reel pulley with a tension gauge, in the playback mode. It sholud be within 130gr to 250gr.



Torque

Take up	35 to 60gr-cm
Fast forward	65 to 90gr-cm
Rewind	60 to 90gr-cm

Back tension

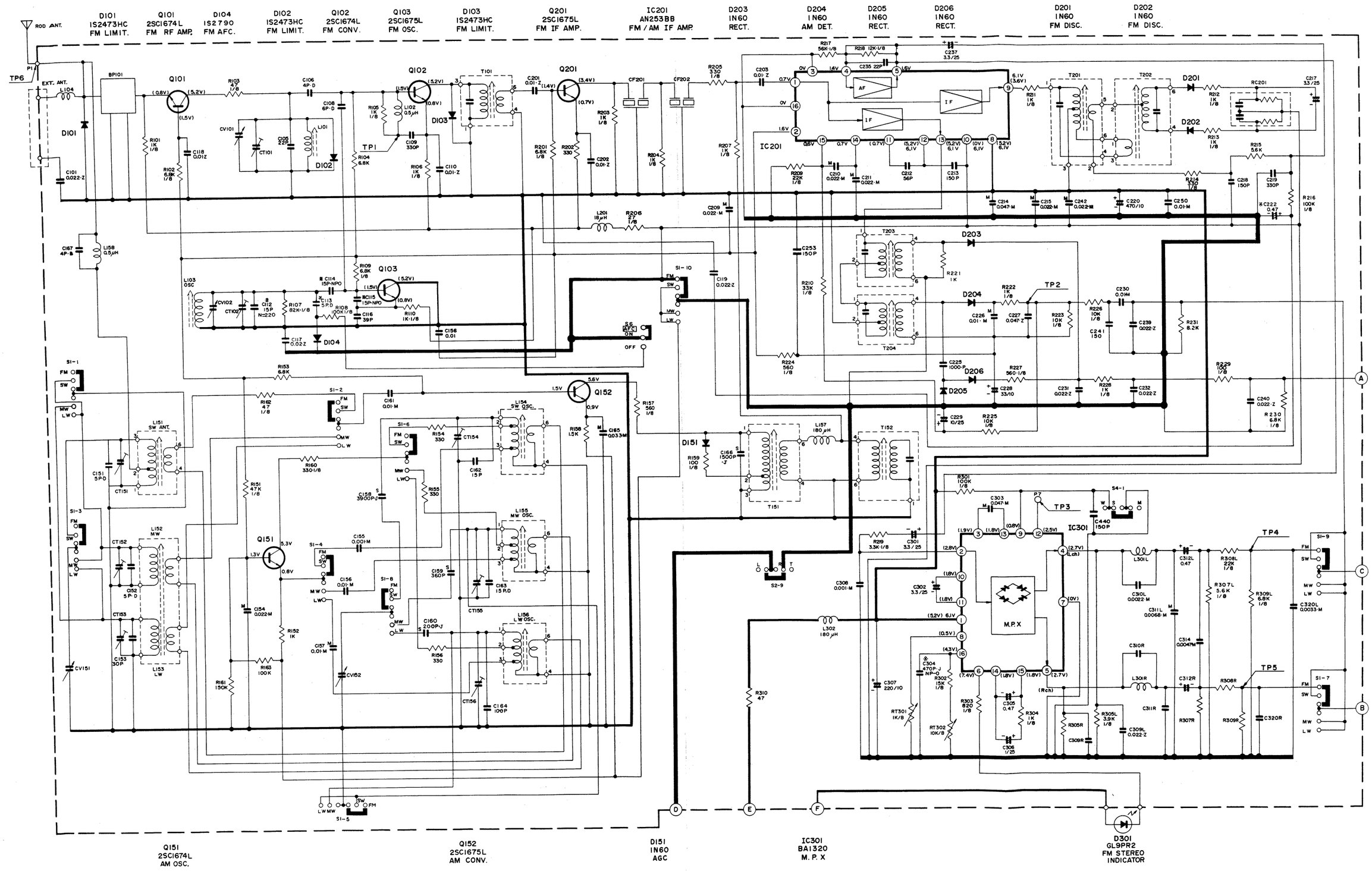
Take up reel	Less than 6 gr-cm Note : Measure it in the rewind mode.
Supply reel	1.5 to 3.5gr-cm Note : Measure it in the playback or fast forward mode.

REPLACEMENT PARTS LIST

SYMBOL-NO	P-NO	DESCRIPTION
		CAPACITORS
CT101	5052231	PLASTIC FILM VARIABLE
CT102	5052231	PLASTIC FILM VARIABLE
CT151	5058191	TRIMMER 10PF
CT152	5052231	PLASTIC FILM VARIABLE
CT153	5058191	TRIMMER 10PF
CT154	5058191	TRIMMER 10PF
CT155	5058191	TRIMMER 10PF
CT156	5058102	TRIMMER 20PF
CV101	5052231	PLASTIC FILM VARIABLE
CV102	5052231	PLASTIC FILM VARIABLE
CV151	5052231	PLASTIC FILM VARIABLE
CV152	5052231	PLASTIC FILM VARIABLE
C112	0248034	CERAMIC DISCAL 15PF+-5% (N-220)
C113	0246425	CERAMIC DISCAL 5P-D
C114	0246474	CERAMIC DISC 15PF+-10%(NP-0)
C115	0246474	CERAMIC DISC 15PF+-10%(NP-0)
C304	0249573	CERAMIC DISC 470PF+-5%(NP-0)
		RESISTORS
RC201	0186357	CR PACK
RC601	0186451	CR PACK
RC602	0186451	CR PACK
RT301	0151806	SEMI VARIABLE 1K OHM B
RT302	5007186	SEMI VARIABLE 10K OHM
RT401	0151807	SEMI VARIABLE 500 OHM
RV401LR	0151445	VARIABLE 100K OHM B X 2
RV402LR	5000047	VARIABLE 100K OHM(C)
RV403LR	5000493	VARIABLE 10K OHM(B)
RV404	5000281	VARIBLE 50K OHM (B)

SYMBOL-NO	P-NO	DESCRIPTION
		SEMI-CONDUCTORS
D101	5330572	DIODE SILICON 1S2473HC 100M
D102	5330572	DIODE SILICON 1S2473HC 100M
D103	5330572	DIODE SILICON 1S2473HC 100M
D104	5330661	DIODE SILICON LS2790 200MHZ 80MW
D151	5330732	DIODE GERMANIUM 1N60P 80MHZ 50MW
D201-206	5330732	DIODE GERMANIUM 1N60P 80MHZ 50MW
D301	5380271	LED GL-9PR2
D401LR	5330574	DIODE 1S2473
D402LR	5330574	DIODE 1S2473
D403LR	5330732	DIODE GERMANIUM 1N60P 80MHZ 50MW
D404LR	0575005	DIODE GERMANIUM 1N60 80M
D405LR	0575005	DIODE GERMANIUM 1N60 80M
D501	5330313	DIODE SILICON HZ7C 1.0M
D601	5330373	DIODE SV-01B
D602	5330374	DIODE SV-02B
D702-704	5380271	LED GL-9PR2
IC201	5351064	IC AN253BB
IC301	5350682	IC BA 1320
IC401LR	5350251	IC HA1406
IC402LR	5350251	IC HA1406
IC501LR	5350671	IC TBA810SH
Q101	5321271	TRANSISTOR SILICON 2SC1674L 600MHZ
Q102	5321271	TRANSISTOR SILICON 2SC1674L 600MHZ
Q103	5321281	TRANSISTOR SILICON 2SC1675-L 230MHZ 200M
Q151	5321271	TRANSISTOR SILICON 2SC1674L 600MHZ
Q152	5321281	TRANSISTOR SILICON 2SC1675-L 230MHZ 200M
Q201	5321281	TRANSISTOR SILICON 2SC1675-L 230MHZ 200M
Q401LR	5321293	TRANSISTOR 2SC1740LN-R
Q402LR	5321293	TRANSISTOR 2SC1740LN-R
Q501LR	5321293	TRANSISTOR 2SC1740LN-R
Q502	5322213	TRANSISTOR 2SC1741R
Q701	5321293	TRANSISTOR 2SC1740LN-R
Q702	5321293	TRANSISTOR 2SC1740LN-R
		TRANSFORMERS
T101	5140071	FM IF
T151	5130123	AM IF
T152	5130121	AM IF
T201	5148111	FM DISCRIMINATOR
T202	5148112	FM DISCRIMINATOR
T203	5140072	FM IF
T204	5130122	AM IF
T601	5211921	POWER TRANS 4VA,400G (For E)
T601	5212125	POWER TRANSFORMER (For E(BS))
		COILS
L101	5126462	FM RF
L102	5150791	CHOKE
L103	5126362	FM-OSC
L104	5150791	CHOKE
L151	5123493	SW ANTENNA
L152	5113191	FERRITE CORE ANTENNA
L153	5113191	FERRITE CORE ANTENNA
L154	5123494	SW OSC
L155	5120319	MW OSC
L156	5120465	LW OSC
L157	5152091	CHOKE 180MICRO H
L158	5150791	CHOKE
L201	5152077	CHOKE 18MICRO H
L301LR	5120306	TRAP
L302	5152091	CHOKE 180MICRO H
L401LR	5120306	TRAP
		MISCELLANEOUS
⚠	5653241	AC-DC SOCKET (For E, E(BS))
⚠	5653221	AC-DC SOCKET (For EW)
	5659121	BACK COVER
	5671661	FM ANTENNA TERMINAL
ANT	5752341	ROD ANTENNA
BP101	5161551	FM BAND PASS FILTER
CF201	5160241	CERAMIC FILTER 10.7MHZ
CF202	5160241	CERAMIC FILTER 10.7MHZ
F601	5721063	FUSE 1.25AT
F602	5721141	FUSE 2.00AT (Ony EW)
J 1	5679442	JACK PLATE (MIC,MONITOR)
J 2	5679442	JACK PLATE (MIC,MONITOR)
J 9	5679442	JACK PLATE (EX. SP)
J10	5679442	JACK PLATE (EX. SP)
J12	5674132	HEADPHONE JACK
J14	5653211	DIN JACK
LM	5554431	LEVEL METER (L)
LM	5554432	LEVEL METER (R)
MIC	5421211	MICROPHONE
OSC401	5260641	OSCILLATOR BLOCK
S 1	5625011	SLIDE SWITCH (Band)
S 2	5624151	SLIDE SWITCH (Function)
S 3	5623272	SLIDE SWITCH (Record/Playback)
S 4	5604281	LEVER SEITCH (Mode)
S 5	5604082	LEVER SWITCH (Tape Selector)
S 6	5604082	LEVER SWITCH (AFC)
S 7	5603231	LEAF SWITCH (Motor)
S 8	5632411	MICRO SWITCH (Tape/Radio/Line in selector)
SP	5401121	SPEAKER-5CM (TWEETER)
SP	5406432	SPEAKER-12CM (WOOFER)
S10	5621184	SLIDE SWITCH (RIF)
⚠	5639023	VOLTAGE CHANGE-OVER SWITCH
		FOR ACCESSARIES
	5894731	FM DIPOLE ANTENNA (For E(BS))
⚠	5747321	POWER CORD (For E)
⚠	5747214	POWER CORD (For EW)
⚠	5746341	CORD ASSEMBLY (For E(BS))
	5660212	SIEMENS SLUG (Only EW)

SCHEMATIC DIAGRAM



SCHEMATIC DIAGRAM

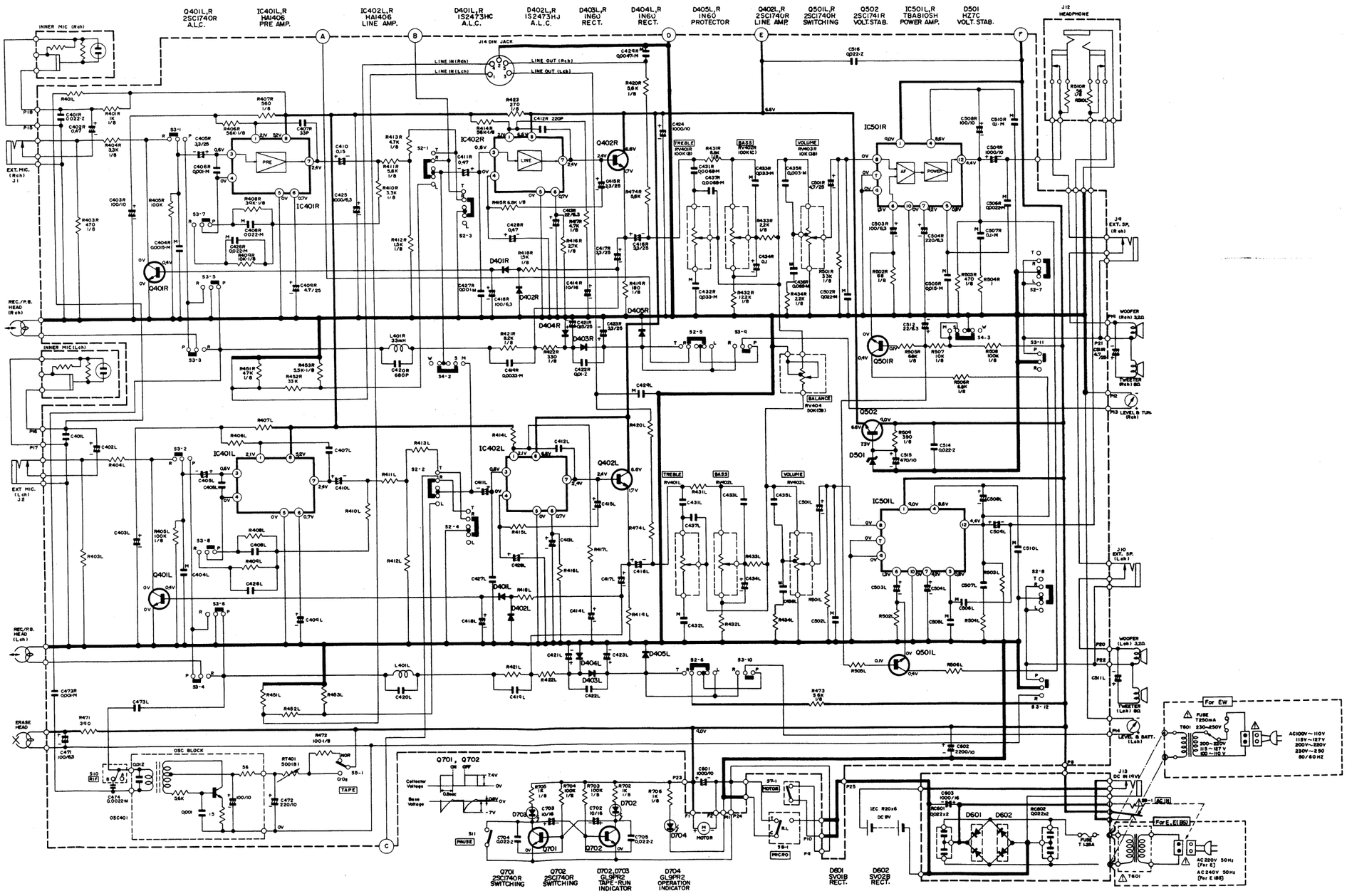
Note

1. Voltage measured at base of chassis with minimum volume control and no signal.
2. Nomenclature of Resistors and Capacitors.

R101 150 RS·1·K	Circuit No.	
	Value	No indicated Ω(Ohm) M : 1000 kΩ
	Tolerance	No indicated ±5% K : ±10% M : ±20%
	Wattage	No indicated ¼W
	Sort	No indicated Carbon film RC : Composition RW : Wire wound RS : Oxide metal film RN : Fixed metal film

C101 0.001·M C102 0.1/16	Circuit No.	
	Value	No indicated μF P : PF
	Tolerance	No indicated ±10% J : ± 5% M : ±20% Z : +80%, −20% D : ±0.5pF C : ±0.25pF
	Sort	Ceramic
		Electrolitic
		Mylar
		Polyester
		Styrol
	Voltage	No indicated 50WV

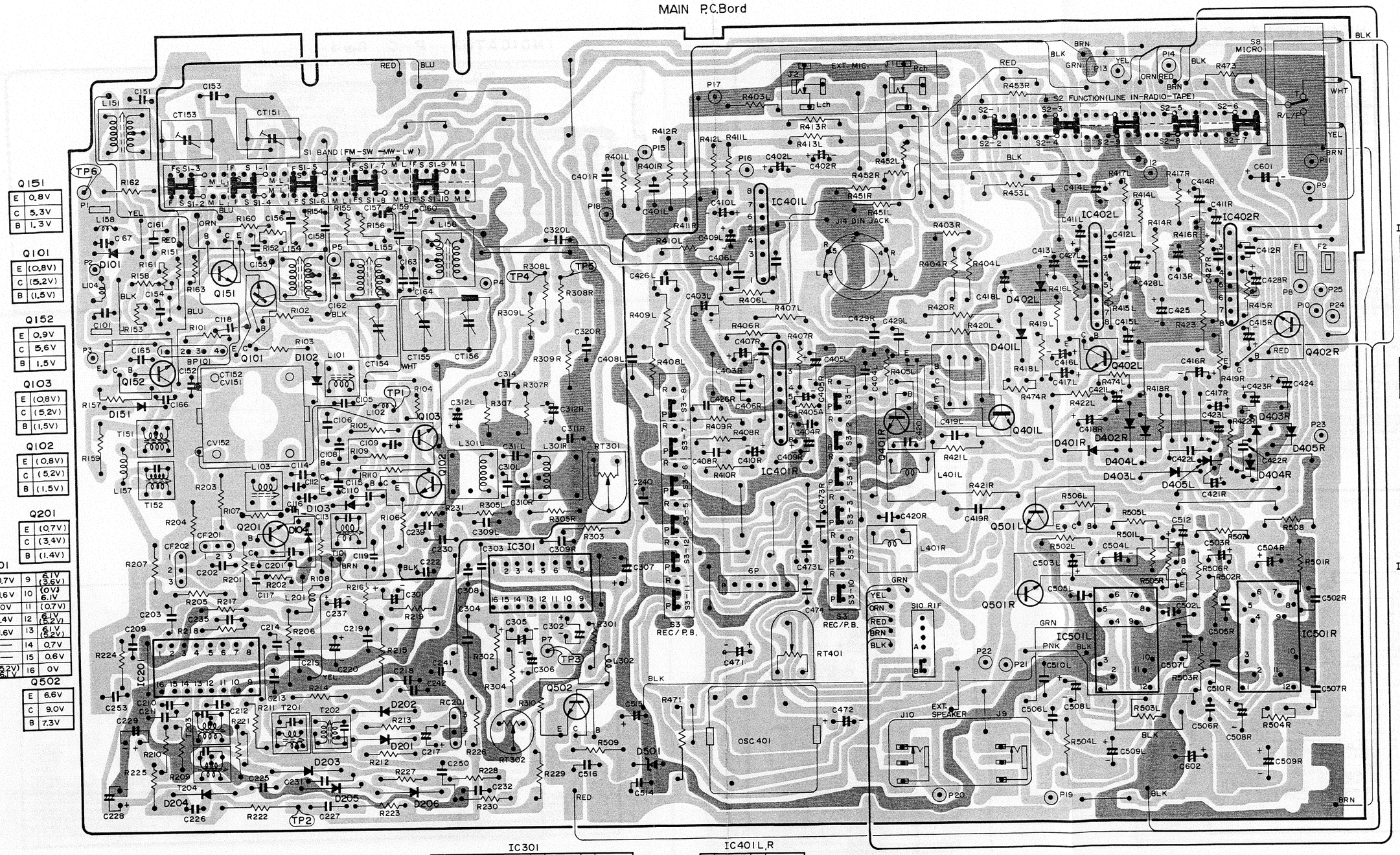
3. Be sure to make your orders of resistors and capacitors with value, voltage, tolerance and sort.
4. When replacing capacitors marked with ✱, use specified ones stated on parts list since required temperature characteristics.



CIRCUIT BOARD DIAGRAM

: Ground : Signal, +B

MAIN P.C.Bord



Q151	
E	0.8V
C	5.3V
B	1.3V

Q101	
E	(0.8V)
C	(5.2V)
B	(1.5V)

Q152	
E	0.9V
C	5.6V
B	1.5V

Q103	
E	(0.8V)
C	(5.2V)
B	(1.5V)

Q102	
E	(0.8V)
C	(5.2V)
B	(1.5V)

Q201	
E	(0.7V)
C	(3.4V)
B	(1.4V)

IC201			
1	0.7V	9	6.1V (3.6V)
2	1.6V	10	(0V) 6.1V
3	0V	11	(0.7V)
4	1.4V	12	6.1V (5.2V)
5	1.6V	13	6.1V (5.2V)
6	—	14	0.7V
7	—	15	0.6V
8	(5.2V) 6.1V	16	0V

Q502	
E	6.6V
C	9.0V
B	7.3V

IC301							
1	(5.2V) 6.1V	5	(2.7V)	9	(0.8V)	13	(1.8V)
2	2.8V	6	(7.4V)	10	(1.8V)	14	(1.8V)
3	(1.9V)	7	(0V)	11	(1.8V)	15	(1.8V)
4	(2.7V)	8	(0.5V)	12	(2.5V)	16	(4.3V)

IC401L,R			
1	2.1V	5	0V
2	—	6	0.7V
3	0.6V	7	2.4V
4	0V	8	5.2V

IC402L,R	
1	2.1V
2	—
3	0.6V
4	0V
5	0V
6	0.7V
7	2.4V
8	6.6V

Q401L,R	
E	0V
C	0V
B	0.4V

Q402L,R	
E	1.7V
C	6.6V
B	2.4V

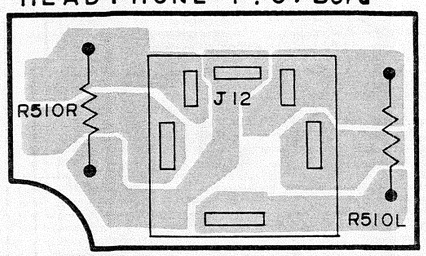
Q501L,R	
E	0V
C	0.4V
B	0.1V

IC501L,R	
1	9.0V
2	—
3	—
4	8.6V
5	0.8V
6	1.3V
7	4.2V
8	0V
9	0V
10	0V
11	—
12	4.4V

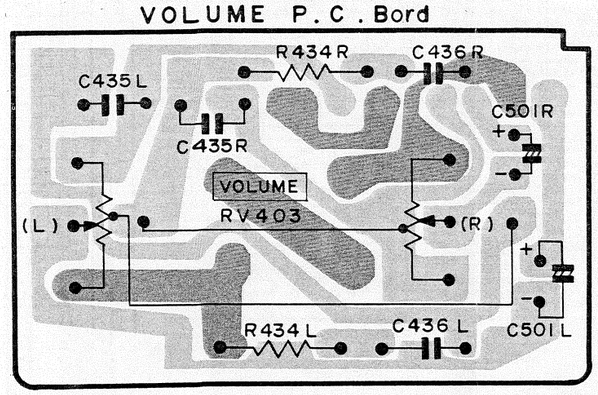
TRK-8155E, E(BS), EW

CIRCUIT BOARD DIAGRAM

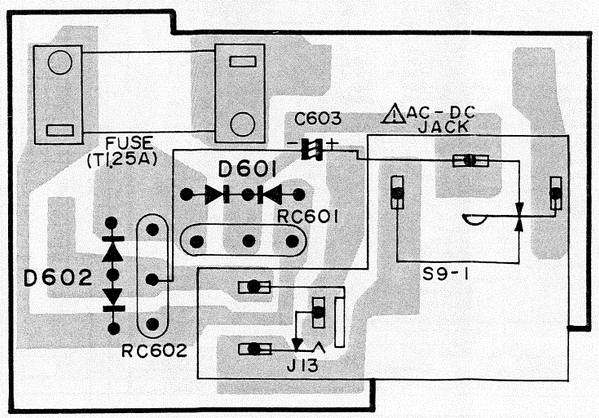
HEAD PHONE P.C. Bord



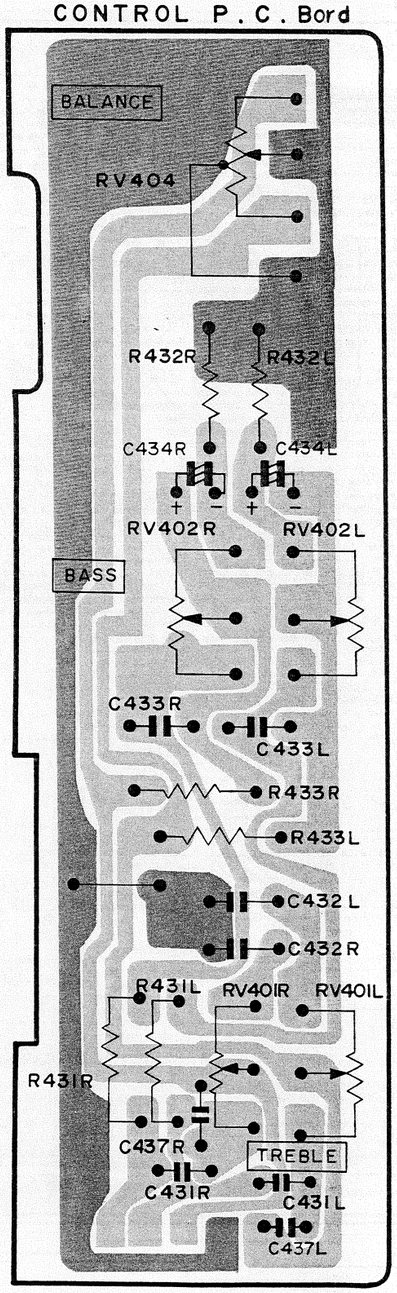
VOLUME P.C. Bord



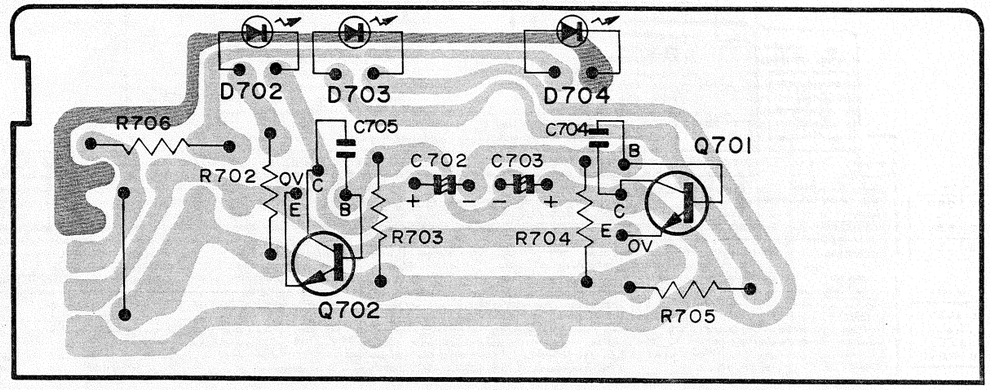
POWER SUPPLY P.C. Bord



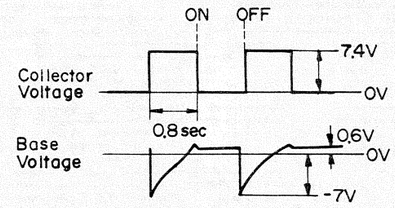
CONTROL P.C. Bord



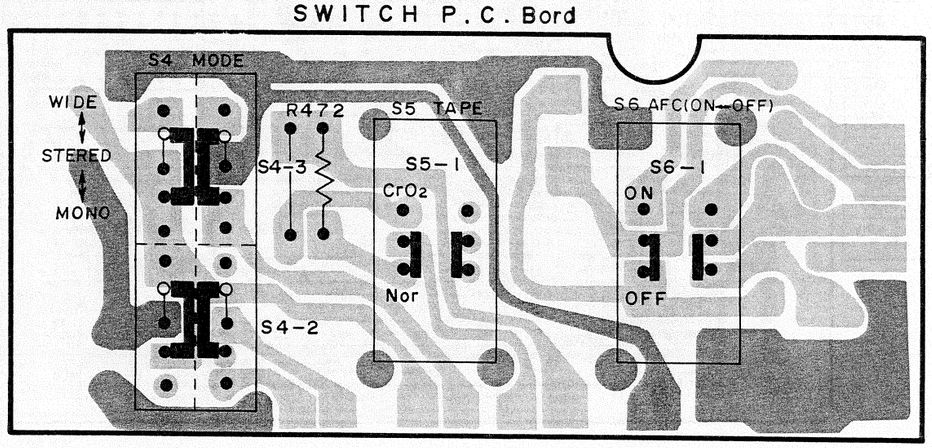
INDICATOR P.C. Bord



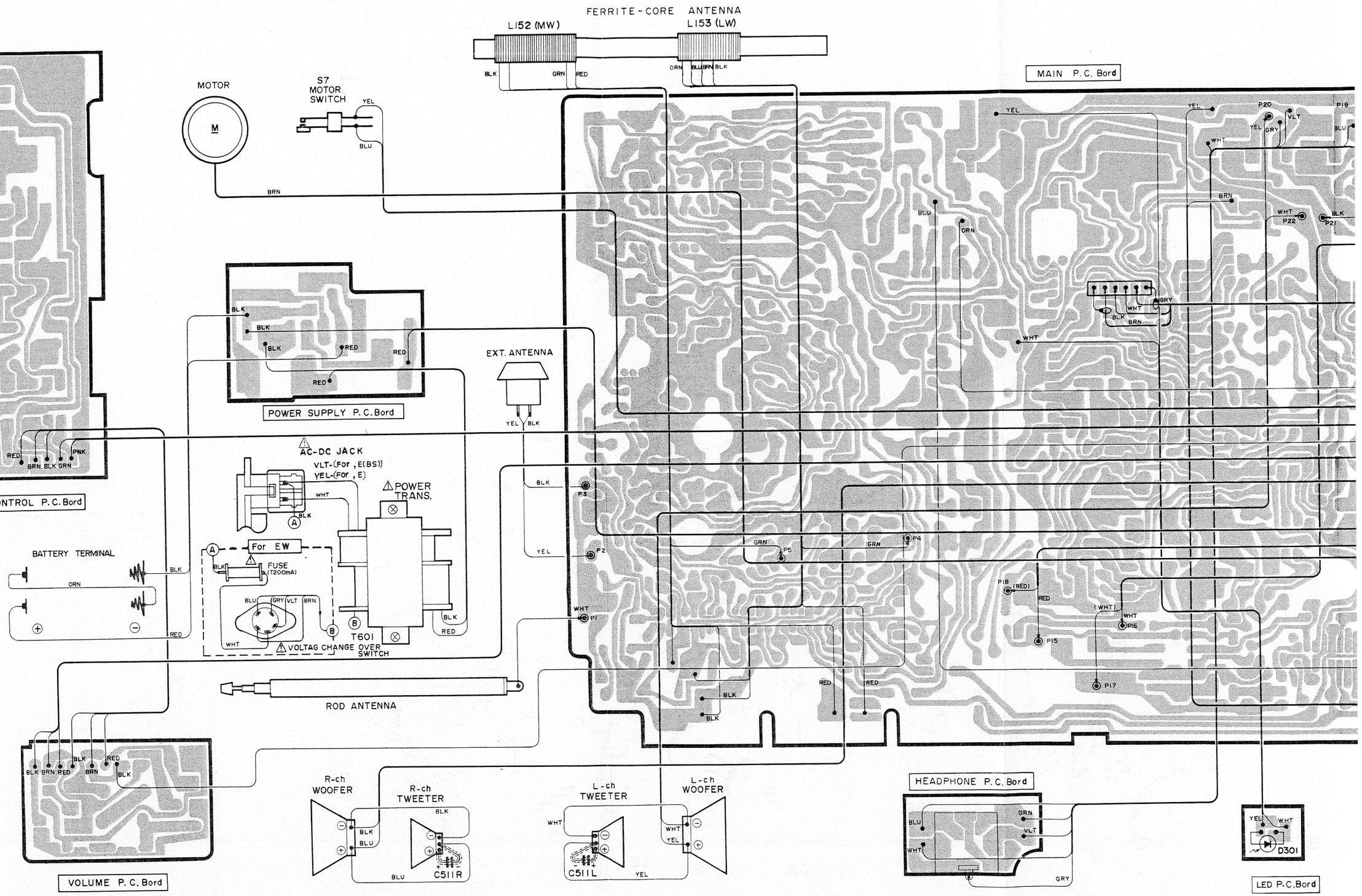
Q701 , Q702

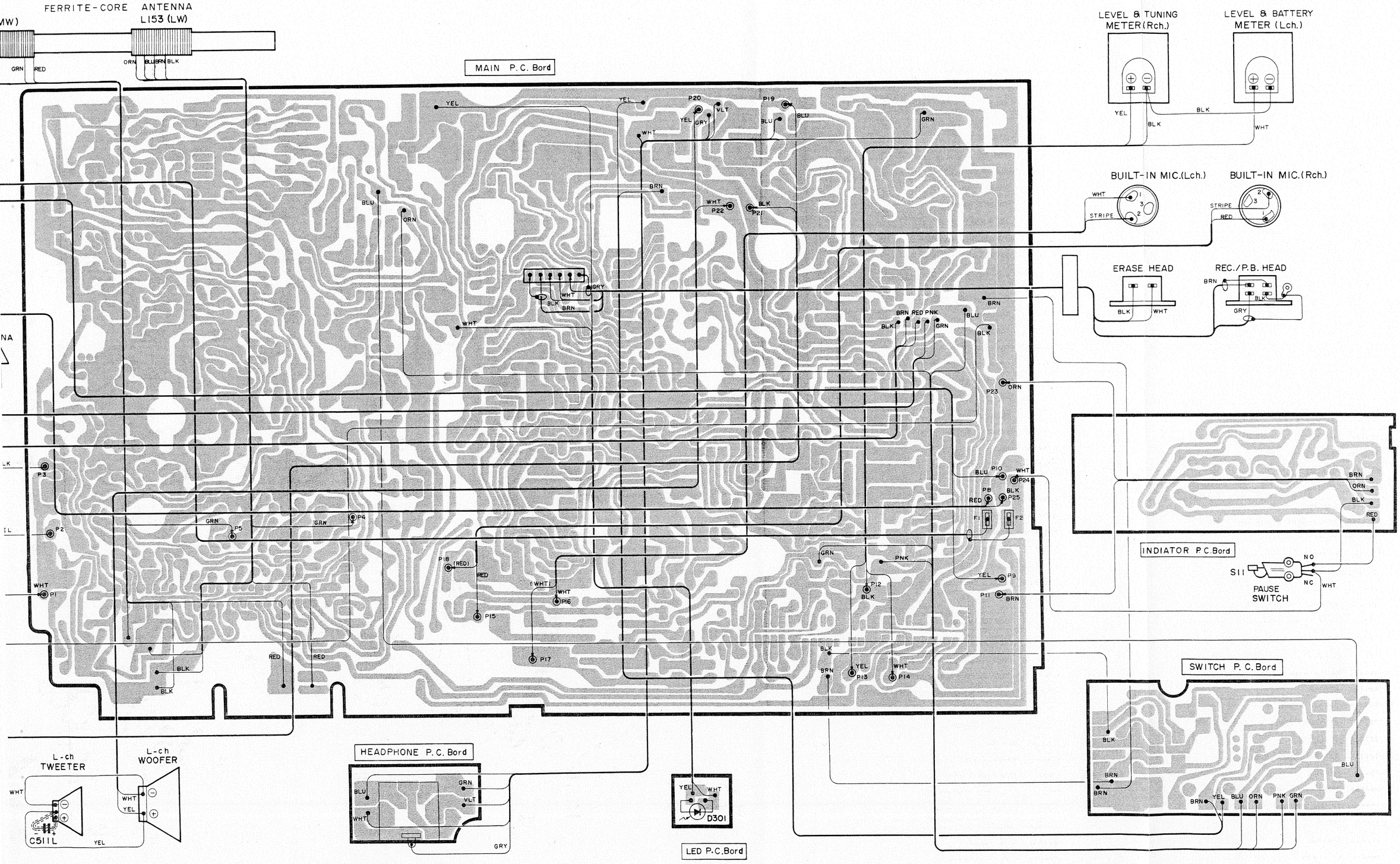


SWITCH P.C. Bord



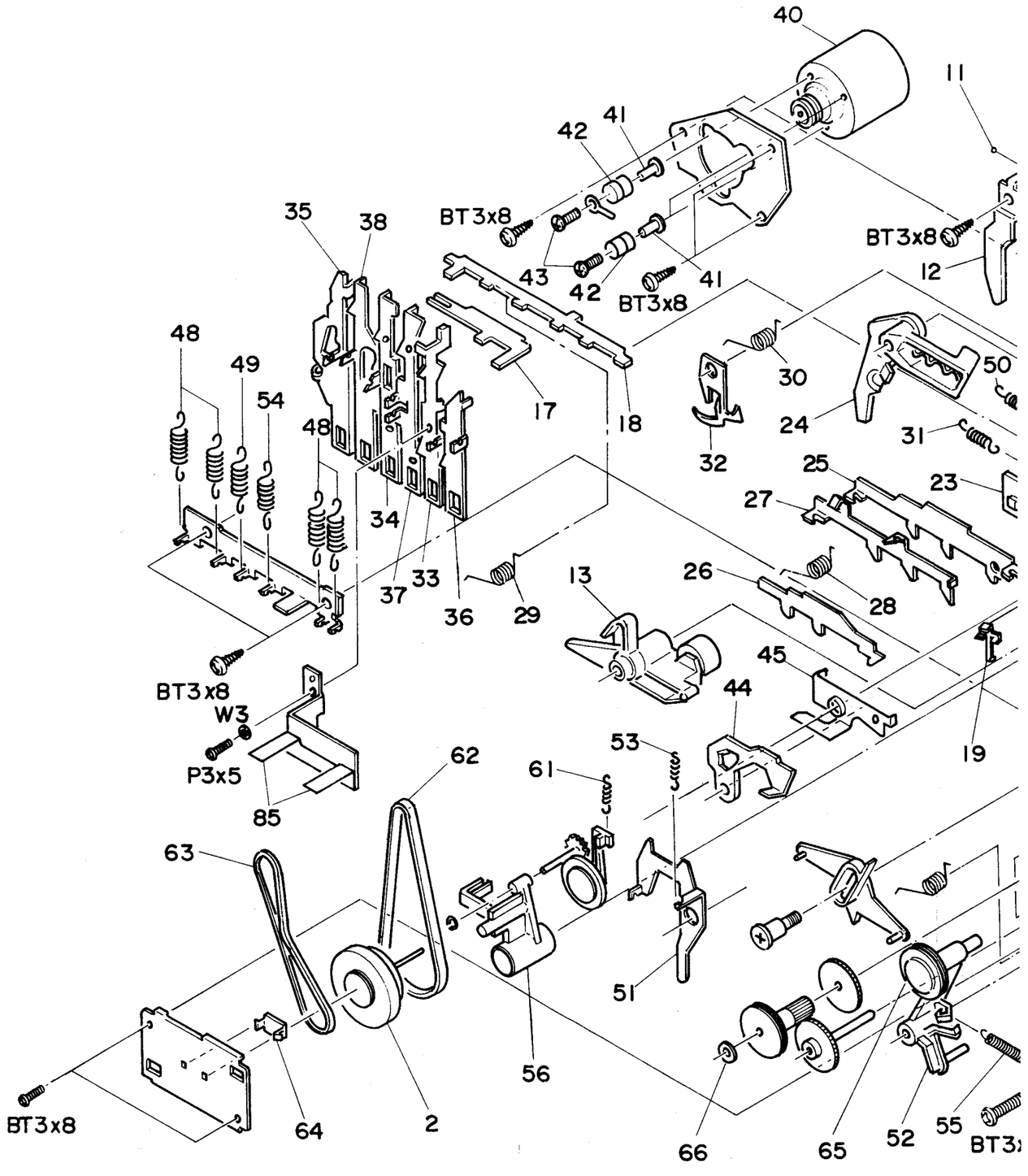
WIRING DIAGRAM



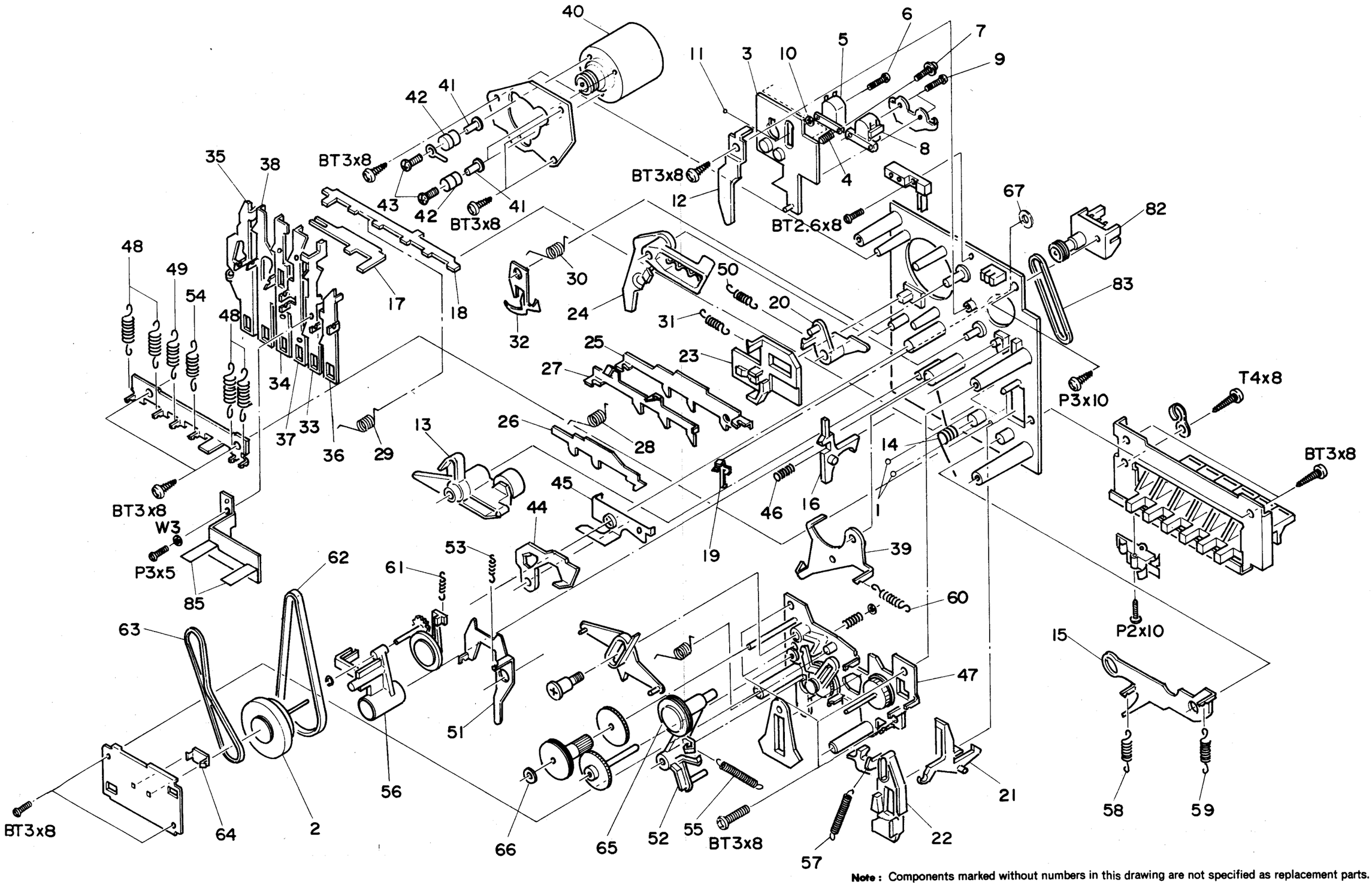

FERRITE-CORE ANTENNA
L153 (LW)
(MW)
GRN
RED
ORN
BLU
BRN
BLK
MAIN P.C. Bord
YEL
P20
VLT
GRY
P19
BLU
GRN
WHT
BRN
P22
P21
BLK
ORN
GRY
BLK
WHT
BRN
WHT
BRN
RED
PNK
GRN
BLK
BLU
BRN
P23
ORN
P3
P2
P4
GRN
P5
GRN
P18
(RED)
RED
(WHT)
WHT
P16
P15
P17
P1
WHT
BLK
BLK
RED
RED
BLU
P10
WHT
P24
RED
P6
BLK
P25
F1
F2
GRN
PNK
P12
BLK
YEL
P9
P11
BRN
BLK
BRN
YEL
P13
WHT
P14
LEVEL & TUNING METER(Rch.)
LEVEL & BATTERY METER (Lch.)
YEL
BLK
BLK
WHT
BUILT-IN MIC.(Lch.)
BUILT-IN MIC.(Rch.)
WHT
STRIPE
STRIPE
RED
ERASE HEAD
REC./P.B. HEAD
BLK
WHT
BRN
BLK
GRY
INDIATOR P.C.Bord
BRN
ORN
BLK
RED
S11
NO
NC
WHT
PAUSE SWITCH
SWITCH P.C.Bord
BLK
BRN
BRN
BLU
BRN
YEL
BLU
ORN
PNK
GRN
L-ch TWEETER
L-ch WOOFER
WHT
WHT
YEL
C511L
YEL
HEADPHONE P.C.Bord
BLU
GRN
VLT
WHT
GRY
YEL
WHT
D301
LED P.C.Bord

SYMBOL-NO	P-NO	DESCRIPTION
		FOR CASSETTE DECK ASSEMBLY (A)
1	0948492	BALL - 2MMD
2	6372551	FLYWHEEL ASSEMBLY
3	7105834	HEAD PLATE
4	6321734	SPRING
5	5444581	RECORD PLAYBACK HEAD
6	7780912	TAPPING SCREW-2MMDX8MM
7	7781004	SCREW
8	5445101	ERASE HEAD
9	7780912	TAPPING SCREW-2MMDX8MM
10	7778183	POLYESTER WASHER
11	0948492	BALL - 2MMD
12	6329633	HEAD PLATE HOLDER
13	6383142	PRESSURE ROLLER ARM ASSEMBLY
14	6307741	SPRING
15	7286182	PR LEVER
16	6741103	RECORDING PREVENTION ARM
17	7286252	PR PLATE
18	7286145	LOCK PLATE
19	6531813	CASSETTE HOLDER
20	6740971	BRAKE FUNCTION ARM
21	6740982	EJECT ARM
22	6741186	EJECT SLIDER
23	6741111	AS FUNCTION PLATE
24	6741711	SWITCH FUNCTION ARM
25	7287692	SW PLATE
26	7297951	RC PLATE
27	7288494	FUNCTION PLATE
28	6308102	SPRING
29	6307733	SPRING
30	6307711	SPRING
31	6300375	SPRING FOR RECORDING PLATE
32	7286241	PAUSE LOCK PIECE
33	7297851	RECORDING SLIDER (B)
34	7297841	REWIND SLIDER (B)
35	7286042	PAUSE SLIDER ASSEMBLY
36	7297831	STOP SLIDER (B)
37	7297491	PLAY SLIDER (B)
38	7297481	FAST FORWARD SLIDER (B)
39	7286193	RECORDING LOCK LEVER
40	7109482	MOTOR ASSEMBLY
41	5681371	COLLAR
42	6576083	RUBBER PLATE
43	0711309	PAN HEAD SCREW - 2.6MMD X 9MM
44	7287814	RC LEVER
45	6329193	F.F FUNCTION LEVER
46	6304161	SPRING
47	7292045	TURN TABLE HOLDER ASSEMBLY
48	6300375	SPRING FOR RECORDING PLATE
49	6324814	SPRING
50	6301001	SPRING
51	7286031	FR LEVER
52	6412302	TAKE UP ARM ASSEMBLY
53	6301101	SPRING
54	6301233	SPRING
55	6301022	SPRING
56	6412794	FR ARM ASSEMBLY
57	6300981	SPRING
58	6301361	SPRING
59	6323064	SPRING
60	6301721	SPRING
61	6300991	SPRING
62	6357131	FLYWHEEL BELT
63	6354601	BELT
64	6743883	THRUST SUPPORT
65	6421225	AS PULLEY
66	7778859	POLYSLIDER WASHER
67	7786621	POLYSLIDER WASHER
		FOR CASSETTE DECK ASSEMBLY (B)
68	6749503	CHASSIS ASSEMBLY
69	6345671	PULLEY
70	6316231	SPRING M
71	6394251	POINTER
72	6749391	INDICATOR HOLDER
73	6467236	SCALE PLATE
74	6570061	MIC COVER
75	6749421	JOINT PLATE
76	6749361	JOINT LEVER
77	6746044	LEVER ASSEMBLY
78	7765841	SPACER SWITCH
79	7765692	SPACER
80	6746047	LEVER ASSEMBLY
81	6257283	BUTTON ASSEMBLY
82	5559071	COUNTER (MZ)
83	6354471	COUNTER BELT
84	6749451	P.W.B HOLDER
85	7302511	RECORD SPRING ASSEMBLY
86	6532232	SPRING
		MISCELLANEOUS
87	6282154	KNOB ASSEMBLY-36MMD (TUNING)
88	6282581	KNOB ASSEMBLY-36MMD (VOLUME)
89	6282701	KNOB ASSEMBLY (FUNCTION, BAND)
90	6282296	KNOB-20MMD (BALANCE, BASS, TREBLE)
91	6296381	SWITCH KNOB (NODE, TAPE, AFC)
92	6333643	HANDLE ASSEMBLY
93	6531142	SPRING
94	6749401	BAND LEVER
95	6749411	FUNCTION LEVER
96	7781148	BT SCREW-3MMDX50MM
97	6032073 6032671	FRONT CASE ASSEMBLY (For E, E(BS)) FRONT CASE ASSEMBLY (For EW)
98	6091624	CASSETTE LID ASSEMBLY
99	6221332	HEAD COVER
100	6754551	EJECT ASSEMBLY

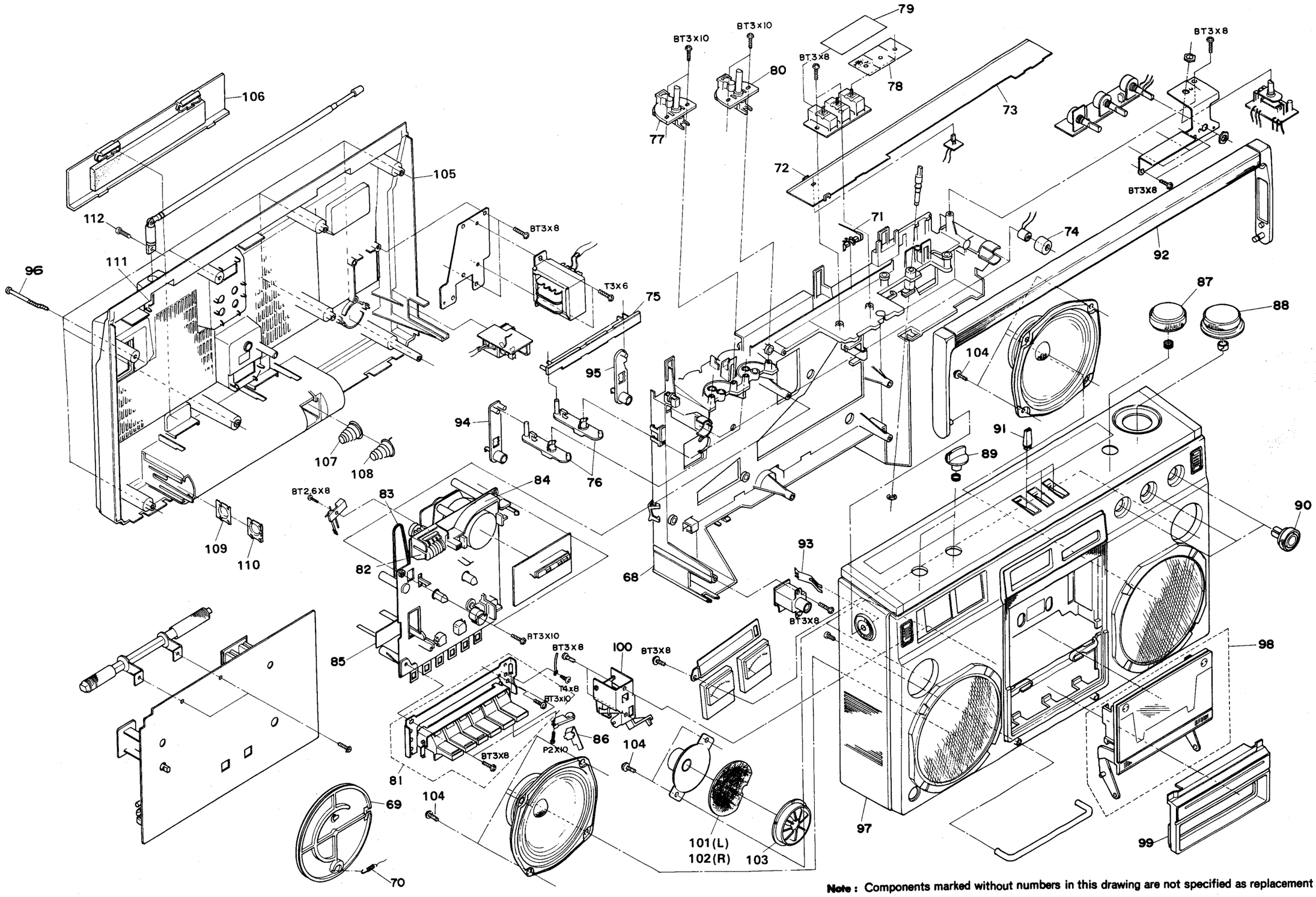
EXPLODED VIEW



EXPLODED VIEW



Note : Components marked without numbers in this drawing are not specified as replacement parts.

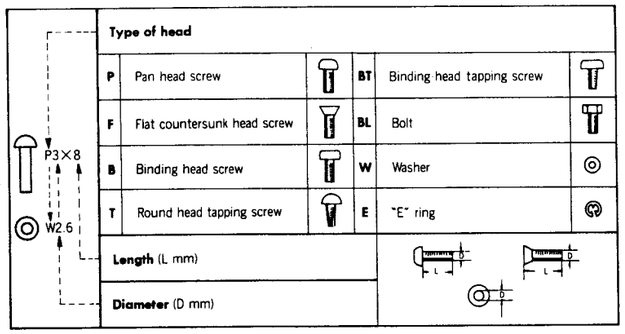


Note : Components marked without numbers in this drawing are not specified as replacement parts.

TRK-8155E, E(BS), EW

SYMBOL-NO	P-NO	DESCRIPTION
		MISCELLANEOUS
101	6754901	RING SPACER ASSEMBLY (L)
102	6754902	RING SPACER ASSEMBLY (R)
103	6752731	TWEETER RING
104	7781133	BT SCREW-3MMD
105	6030776	REAR CASE ASSEMBLY (For E)
	6030777	REAR CASE ASSEMBLY (For E(BS))
	6032691	REAR CASE ASSEMBLY (For EW)

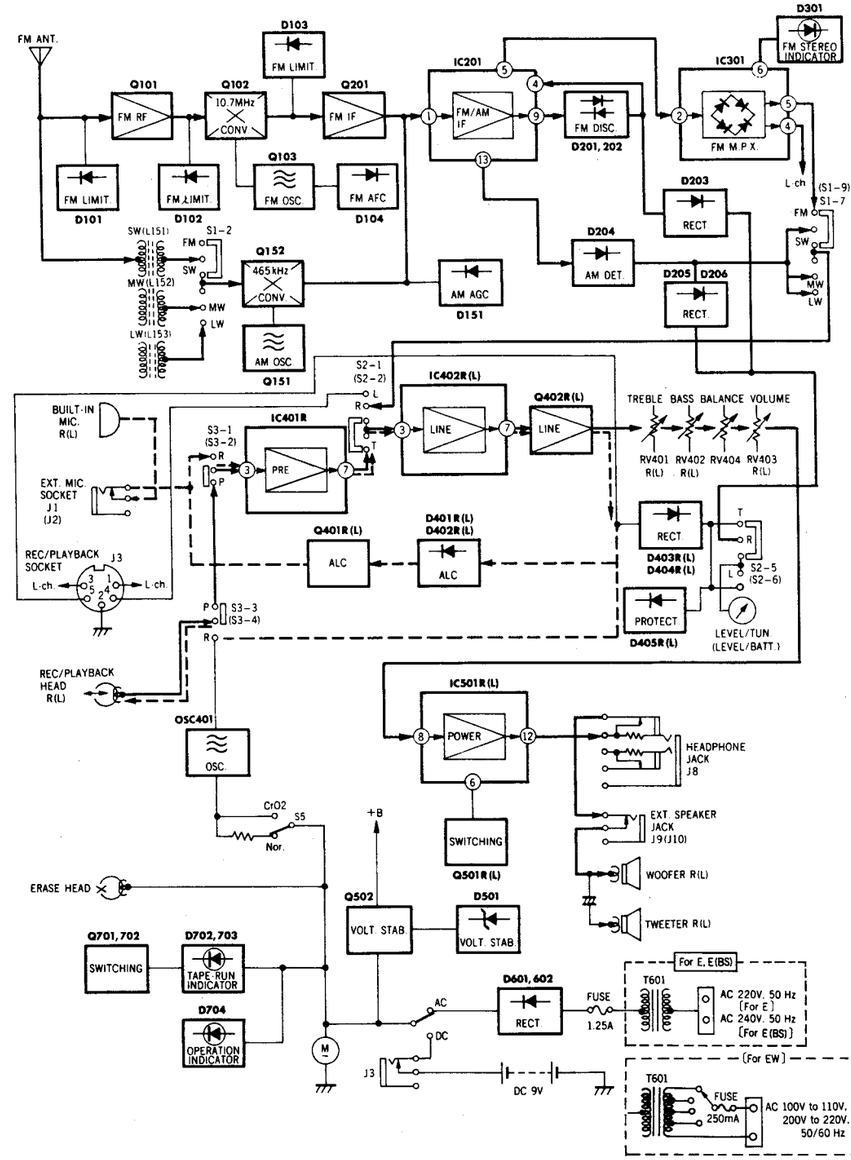
SYMBOL-NO	P-NO	DESCRIPTION
106	6173212	BATTERY LID ASSEMBLY
107	0681129	SPRING A
108	6324112	SPRING
109	7450344	BATTERY TERMINAL
110	7450343	BATTERY TERMINAL
111	5681362	ANTENNA TERMINAL
112	8744408	BINDING SCREW 3MMDX8MM
113	5421211	MIC



Type of head					
P	Pan head screw		BT	Binding head tapping screw	
F	Flat countersunk head screw		BL	Bolt	
B	Binding head screw		W	Washer	
T	Round head tapping screw		E	"E" ring	
Length (L mm)					
Diameter (D mm)					

When ordering hardware excluding stated on these lists, be sure to make your orders with type and size.

BLOCK DIAGRAM



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